



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Method and apparatus for routing a set of nets						
<p>Application Number: 10/066060</p> <p>Confirmation Number: 3948</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0072</p> <p>Art Unit: 2665 2825</p> <p>Examiner: Huy Duy Vu KIP, P.</p> <p>Search string: (6123736 or 6155725 or 6166441 or 6175950 or 6209123 or 6216252 or 6219832 or 6230306 or 6247167 or 6253363 or 6260179 or 6289495 or 6292929 or 6301686 or 6324674 or 6324675 or 6327693 or 6327694 or 6330707 or 6378121 or 6385758 or 6401234 or 6405358 or 6407434 or 6412097 or 6412102 or 6463575 or 6473891 or 6519751 or 6526555 or 6543043 or 6557145 or 6567967 or 6586281 or 6665852),pn.</p> <p style="text-align: right;">RECEIVED APR 22 2004 Technology Center 2600</p>							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	6123736	2000-09-26	Pavisc et al.			
<input type="checkbox"/>	2	6155725	2000-12-05	Scepanovic et al.			
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13	6292929	2001-09-18	Scepanovic et al.	B2
14	6301686	2001-10-09	Kikuchi et al.	B1
15	6324674	2001-11-27	Andreev et al.	B2
16	6324675	2001-11-27	Dutta et al.	B1
17	6327693	2001-12-04	Cheng et al.	B1
18	6327694	2001-12-04	Kanazawa	B1
19	6330707	2001-12-11	Shinomiya et al.	B1
20	6378121	2002-04-23	Hiraga	B2
21	6385758	2002-05-07	Kikuchi et al.	B1
22	6401234	2002-06-04	Alpert et al.	B1
23	6405358	2002-06-11	Nuber	B1
24	6407434	2002-06-18	Rostoker et al.	B1
25	6412097	2002-06-25	Kikuchi et al.	B1
26	6412102	2002-06-25	Andreev et al.	B1
27	6463575	2002-10-08	Takahashi et al.	B1
28	6473891	2002-10-29	Shively	B1
29	6519751	2003-02-11	Sriram et al.	B2
30	6526555	2003-02-25	Teig et al.	B1
31	6543043	2003-04-01	Wang et al.	B1
32	6557145	2003-04-29	Boyle et al.	B2
33	6567967	2003-05-20	Greidinger et al.	B2
34	6586281	2003-07-01	Gabara et al.	B1
35	6665852	2003-12-16	Xing et al.	B2

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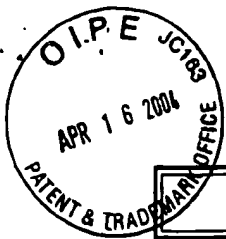
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Signature

Phallaka PVE

Examiner Name	Date
<i>Phallaka PVE</i>	<i>10/22/04</i>



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Title of
Invention

Method and apparatus for routing a set of nets

Application Number: 10/066060

Confirmation Number: 3948

First Named Applicant: Steven Teig

Attorney Docket Number: SPLX.P0072

Art Unit:

~~2665~~ 2825

Examiner:

Huy-Duy Vu KIK, P.

Search string:

(4615011 or 4782193 or 5633479 or 5634093
or 5635736 or 6128767 or 6219823 or 6226560
or 6262487 or 6295634 or 6436804 or 6490713
or 6546540 or 6645842 or 4673966 or 4855929
or 5360948 or 5375069 or 5532934 or 5578840
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or 20030121017).pn.



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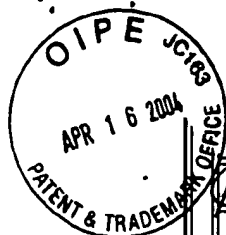
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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4615011	1986-09-30	Linsker			
<input checked="" type="checkbox"/>	2	4782193	1988-11-01	Linsker			
<input checked="" type="checkbox"/>	3	5633479	1997-05-27	Hirano			
<input checked="" type="checkbox"/>	4	5634093	1997-05-27	Ashida et al.			
<input checked="" type="checkbox"/>	5	5635736	1997-06-03	Funaki et al.			
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7	6219823	2001-04-17	Hama et al.	B1
8	6226560	2001-05-01	Hama et al.	B1
9	6262487	2001-07-17	Igarashi et al.	B1
10	6295634	2001-09-25	Matsumoto	B1
11	6436804	2002-08-20	Igarashi et al.	B2
12	6490713	2002-12-03	Matsumoto	B2
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19	5532934	1996-07-02	Rostoker	
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40	5898597	1999-04-27	Scepanovic et al.	
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42	5973376	1999-10-26	Rostoker et al.	

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<input checked="" type="checkbox"/>	49	6088519	2000-07-11	Koford
<input checked="" type="checkbox"/>	50	6111756	2000-08-29	Moresco

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US Published Applications

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<input checked="" type="checkbox"/>	1	20020104061	2001-11-30	Xing et al.	A1		
<input type="checkbox"/>	2	20020100009	2002-07-25	Xing et al.	A1		
<input type="checkbox"/>	3	20020107711	2002-08-08	Xing et al.	A1		
<input type="checkbox"/>	4	20020182844	2002-12-05	Igarashi et al.	A1		
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<input type="checkbox"/>	6	20030188281	2003-10-02	Xing	A1		
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<input checked="" type="checkbox"/>	10	20030121017	2003-06-26	Andreev et al.	A1		

Signature

Phallata Kike

Examiner Name	Date
<i>Phallata Kike</i>	<i>12/22/04</i>

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<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>			Application Number	10/066,060	
			Filing Date	1/31/2002	
			First Named Inventor	Steven Teig	
			Group Art Unit	2865-2825	
			Examiner Name	Mr. Huy-Guy P. KIK	
Sheet	1	of	9	Attorney Docket Number	SPLX.P0072

U.S. PATENT APPLICATIONS						
Examiner* Initials	Cite No.	U.S. Patent Application		Name of Patentee or Applicant of Cited Document	Date of Filing MM-DD-YYYY	Related Application Data if any
		Serial Number	Attorney Docket Number			
P-2	1.	10/066,160	SPLX.P0073	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	2.	10/066,095	SPLX.P0074	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	3.	10/066,047	SPLX.P0078	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	4.	10/061,641	SPLX.P0079	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	5.	10/066,094	SPLX.P0080	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	6.	10/076,121	SPLX.P0081	Steven Teig et al.	02-12-2002	CIP of 10/066,094.
	7.	10/062,995	SPLX.P0105	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	8.	10/066,102	SPLX.P0106	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	9.	10/066,187	SPLX.P0133	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	10.	10/286,584	CDN.P0037	Steven Teig	10-31-2002	
	11.	10/335,087	CDN.P0038	Steven Teig et al.	12-31-2002	
	12.	10/335,239	CDN.P0039	Steven Teig et al.	12-31-2002	

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Examiner Signature	<i>Michael K. Kik</i>	Date Considered	10/22/04
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This collection of information is required by 37CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO				Application Number	10/066,060
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2665 2825
				Examiner Name	Mr. Huy Duy P. KIK
Sheet	2	of	9	Attorney Docket Number	SPLX.P0072
U.S. PATENT APPLICATIONS					
	13.	10/335,086	CDN.P0040	Steven Teig et al.	12-31-2002

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ¹	Number ²	Kind Code (if known) ³				
P. J.	14.	JP	11-296560		10-29-1999	Matsumoto et al.	with English translation of Abstract;	
	15.	JP	2000-082743		03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	16.	JP	64-15947		01-19-1989	Ouchi	with English translation of Abstract;	
	17.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	18.	JP	04-000677		01-06-1992	Fujiwara et al.	with English translation of Abstract;	
	19.	JP	05-102305		04-23-1993	Sato	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
P. J.	20.	JP	05-243379		09-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract;	✓

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Examiner Signature	<i>Phal Lake</i>	Date Considered	10/22/04
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				First Named Inventor	Steven Telg	
				Group Art Unit	2665-2825	
				Examiner Name	Yu-Huy-Duy P. KIK	
Sheet	3	of	9	Attorney Docket Number	SPLX.P0072	
FOREIGN PATENT DOCUMENTS						
					and with English translation of the application.	
	21.	JP	07-086407	03-31-1995	Miura	with Japanese Patent Office's English translation of Abstract; and with English translation of the application. ✓
	22.	JP	09-162279	06-20-1997	Yoshida	with Japanese Patent Office's English translation of Abstract; and with English translation of the application. ✓

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ^a
	23.	Chen, H.F. et al., A Faster Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 15, No. 2, February 1996, pp. 217-227.			
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Examiner Signature		Date Considered	Technology Center 2600
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

4

of

9

Application Number

10/066,060

Filing Date

1/31/2002

First Named Inventor

Steven Teig

Group Art Unit

2666 2825

Examiner Name

Yu Huy-Duy P. KIK

Attorney Docket Number

SPLX.P0072

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Date

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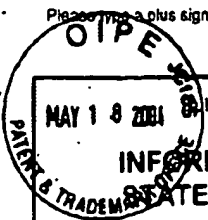
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Substitute for form 1449A/PTO		Application Number	10/066,060
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	1/31/2002
		First Named Inventor	Steven Teig
		Group Art Unit	2665 2925
		Examiner Name	Vu, Huy Day P. KIR
Sheet	5	of	9
		Attorney Docket Number	SPLX.P0072

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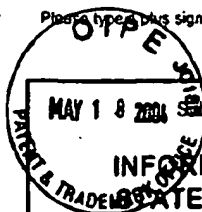


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Substitute for form 1449A/PTO		Application Number	10/066,060
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	1/31/2002
		First Named Inventor	Steven Teig
		Group Art Unit	2685 2625
		Examiner Name	Mr. Huy Duy P. KIK
Sheet	6	of	9
		Attorney Docket Number	SPLX.P0072

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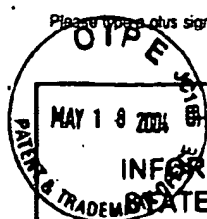
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			Filing Date 1/31/2002
			First Named Inventor Steven Teig
			Group Art Unit 665 2625
			Examiner Name Vu, Huy-Duy P. KIK
Sheet 7	of 9	Attorney Docket Number SPLX.P0072	

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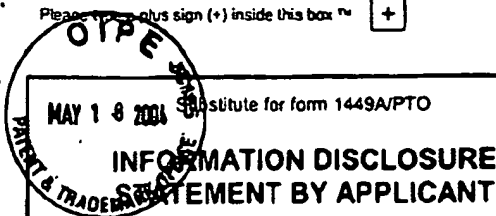
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Sheet	8	of	9	Application Number	10/066,060
				Filing Date	1/31/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2665-2825
				Examiner Name	Yu-Hay-Duy P. KIK
				Attorney Docket Number	SPLX.P0072

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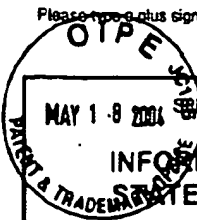
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Title of Invention	Method and apparatus for routing a set of nets						
<p>Application Number: 10/066060</p> <p>Confirmation Number: 3948</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0072</p> <p>Art Unit: 2825</p> <p>Examiner: Phallaka Kik</p> <p>Search string: (4777606 or 5224057 or 5519836 or 5856927 or 5877091 or 5880969 or 5978572 or 6006024 or 6110222 or 6154873 or 6154874 or 6247853 or 6286128 or 6349403 or 6415427 or 6434730 or 6442745 or 6505331 or 6601227 or 6609237 or 6656644 or 20010038612 or 20020043988 or 20030009737 or 20030014725 or 20030217338 or 20040015805 or 20040040007 or 20040044979 or 20040088670).pn.</p> <p>RECEIVED AUG 27 2004 TECH CENTER 2800</p>							
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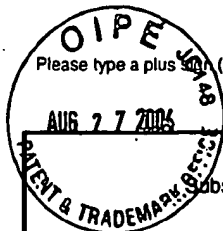
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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	20010038612	2001-11-08	Vaughn et al.	A1		
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<input checked="" type="checkbox"/>	9	20040088670	2004-05-06	Stevens et al.	A1		

Signature

Phallaka Kulkarni

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	10/066,060
				Filing Date	1/31/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Phallaka Kik
Sheet	1	of	1	Attorney Docket Number	SPLX.P0072

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FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
	1.	JP	02-262354		10-25-1990	Kuribayashi, Mototaka		

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Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	2.	CHO J.D., Wiring Space and Length Estimation in Two-Dimensional Arrays, May 2000, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on, VOL. 19, Iss. 5, pp. 612-615.	
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